7.5 LLW Receipts as Reported by Sites

Receipts are defined as the quantity of LLW a site receives from another site. The "shipping site" is the site that will be sending LLW to a DOE, commercial, or other non-DOE site in the specified year or range of years. The "receiving site" is the site that will be receiving the LLW from one of these "shipping sites" in the specified year or range of years.

7.5.1 LLW Receipts Data by Site and State

A separate table by state is not provided in this section: state totals for all states except Tennessee are provided in Table 7-17. The total for Tennessee in each fiscal year (1998 and 1999) was approximately 1,979 cubic meters and 57 cubic meters, respectively.

The following summary data in Table 7-17 report the volume of LLW waste receipts for FY 1998 and FY 1999. Table 7-18 contains more detailed data on receipts for FY 1998 and FY 1999, showing receipts from each shipping site.

Table 7-17
Summary of Total LLW Receipts Volume as Reported by Sites:
FY 1998 and FY 1999 Actuals
(Includes all physical forms except waste water)

In cubic meters

State	Receiving Site	Site Code	FY 1998	% 1998 Total	FY 1999	% 1999 Total
ID	Idaho National Engineering and Environmental Laboratory	INEEL	-	-	2,542	9.9
NV	Nevada Test Site	NVTS	10,073	66.7	16,103	62.5
SC	Savannah River Site	SARS	-	-	88	<1
TN	Diversified Scientific Services	DSSI	11	<1	13	<1
	GTS Duratek	SEG	1,968	13.0	44	<1
UT	Envirocare	ENVR	604	4.0	3,430	13.3
WA	Hanford	HASI	2,437	16.1	2,411	9.4
n/a	Unspecified[a]	n/a	-	-	1,133	4.4
	Total		**15,093**	**100**	**25,765**	**100**

Notes:
• Hyphens indicate volumes of zero.
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data.

[a] Includes unspecified DOE and commercial sites.

Table 7-18
Total LLW Receipts Volume as Reported by Sites:
FY 1998 and FY 1999 Actuals
(Includes all physical forms except waste water)

In cubic meters

RECEIVING SITE: Idaho National Environmental Engineering Laboratory (INEEL) (State: ID)

State	Shipping Site	Site Code	FY 1998	FY 1999
ID	Argonne National Laboratory-West	ANLW	-	787
	Naval Reactor Facility	NAVY	-	1,755
	INEEL Total		**-**	**2,542**
	INEEL's contribution to DOE total:		-	*9.9%*

RECEIVING SITE: Nevada Test Site (State: NV)

State	Shipping Site	Site Code	FY 1998	FY 1999
CA	Energy Technology Engineering Center	ETEC	869	681
	General Atomics	GEAT	502	1,736
	Lawrence Livermore National Laboratory-Main Site	LLMS	682	702
CO	Rocky Flats Environmental Technology Site	RFTS	2,795	4,685
NM	Lovelace Respiratory Research Institute	LRRI	54	-
	Sandia National Laboratories-NM	SNLN	720	438
OH	Ashtabula Environmental Management Project	AEMP	44	153
	Fernald Environmental Management Project	FEMP	1,781	3,023
	Miamisburg Environmental Management Project	MEMP	2,090	4,436
TX	Pantex Plant	PAPL	536	237
NA	Waste Control Specialists[a]	WCS	-	12
	Nevada Test Site Total		**10,073**	**16,103**
	Nevada Test Site's contribution to DOE total:		*66.7%*	*62.5%*

RECEIVING SITE: Savannah River Site (State: SC)

State	Shipping Site	Site Code	FY 1998	FY 1999
ID	Naval Reactor Facility	NAVY	-	88
	Savannah River Site Total		**-**	**88**
	Savannah River Site's contribution to DOE total:		-	*<1%*

RECEIVING SITE: Diversified Scientific Services, Inc. (DSSI) (State: TN)

State	Shipping Site	Site Code	FY 1998	FY 1999
CA	Lawrence Berkeley National Laboratory	LABL	11	3
	Lawrence Livermore National Laboratory-Main Site	LLMS	-	**10**
	DSSI Total		**11**	**13**
	DSSI's contribution to DOE total:		*<1%*	*<1%*

RECEIVING SITE: GTS Duratek (State: TN)

State	Shipping Site	Site Code	FY 1998	FY 1999
CA	Lawrence Berkeley National Laboratory	LABL	34	29
NY	Brookhaven National Laboratory	BRNL	-	0.5
TN	Oak Ridge Reservation	ORTN	1934	-
TX	Pantex Plant	PAPL	-	15
	GTS Duratek Total		**1,968**	**44**
	GTS Duratek's contribution to DOE total:		*13.0%*	*<1%*

Notes:
• Hyphens indicate volumes of zero.
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data.
• NA = not available.
• n/a = not applicable.

[a] Waste Control Specialists has locations in NM, TN, and TX.

(continued…)

Table 7-18 (cont'd)
Total LLW Receipts Volume as Reported by Sites:
FY 1998 and FY 1999 Actuals
(Includes all physical forms except waste water)

In cubic meters

RECEIVING SITE: Envirocare (State: UT)

State	Shipping Site	Site Code	FY 1998	FY 1999
CA	Lawrence Livermore National Laboratory-Main Site	LLMS	190	-
KY	Paducah Gaseous Diffusion Plant	PGDP	-	120
NM	Sandia National Laboratories-NM	SNLN	14	26
NY	West Valley Demonstration Project	WVDP	106	1009
OH	Miamisburg Environmental Management Project	MEMP	-	1607
	Portsmouth Gaseous Diffusion Plant	PORT	294	581
TN	Oak Ridge Reservation	ORTN	-	87
	Envirocare Total		**604**	**3,430**
	Envirocare's contribution to DOE total:		*4.0%*	*13.3%*

RECEIVING SITE: Hanford Site (State: WA)

State	Shipping Site	Site Code	FY 1998	FY 1999
CA	Laboratory for Energy Related Health Research	LEHR	0.6	-
	Energy Technology Engineering Center	ETEC	868	136
	General Atomics	GEAT	732	616
	Lawrence Berkeley National Laboratory	LABL	-	7
	Stanford Linear Accelerator Center	SLAC	16	20
IA	Ames Laboratory	AMES	-	2
IL	Argonne National Laboratory -East	ANLE	492	286
	Fermi National Accelerator Laboratory	FNAL	133	49
KY	Paducah Gaseous Diffusion Plant	PGDP	-	24
NJ	Princeton Plasma Physics Laboratory	PPPL	61	34
NY	Brookhaven National Laboratory	BRNL	97	22
OH	Columbus Environmental Management Program- West Jefferson	CEMP	37	79
n/a	Unspecified[b]	n/a	-	1,137
	Hanford Total		**2,437**	**2,411**
	Hanford's contribution to DOE total:		*16.1%*	*9.4%*

RECEIVING SITE: Unspecified[b] (State: n/a)

State	Shipping Site	Site Code	FY 1998	FY 1999
CA	Lawrence Berkeley National Laboratory	LABL	-	3
	Laboratory for Energy Related Health Research	LEHR	-	238
CO	Rocky Flats Environmental Technology Site	RFTS	-	808
KY	Paducah Gaseous Diffusion Plant	PGDP	-	7
NY	Brookhaven National Laboratory	BRNL	-	77
	Total		**0**	**1133**
	Unspecified sites' contribution to DOE total:		-	*4.4%*

All DOE Sites

		FY 1998	FY 1999
	All DOE Sites Total	**15,093**	**25,765**

Notes:
• Hyphens indicate volumes of zero.
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data.
• NA = not available.
• n/a = not applicable.

[b] Includes unspecified DOE and commercial sites.

LLW Receipts Site Projection Data:

Table 7-19 provides LLW receipts projection data. Detailed projections that include shipping site data are shown in Table 7-20. Figure 7-15 shows projected LLW annual receipts by site for FY 2000 through FY 2010, and Figure 7-16 presents DOE-wide projection totals for five-year time periods through FY 2070.

Table 7-19
Total Projected LLW Receipts Volume as Reported by Sites:
FY 2000 - FY 2070
(Includes all physical forms except waste water)

In cubic meters

State	Receiving Site	Site Code	FY 2000[a]	FY 2001-2005	FY 2006-2010	FY 2011-2015	FY 2016-2020	FY 2021-2025
ID	Idaho National Engineering and Environmental Laboratory	INEEL	1,560	4,708	2,376	2,165	2,165	2,165
NM	Los Alamos National Laboratory	LANL	4	29	1	-	-	-
NV	Nevada Test Site	NVTS	15,105	206,406	117,212	27,070	27,031	27,031
SC	Savannah River Site	SARS	395	1,393	209	261	665	116
WA	Hanford Site	HASI	4,335	8,320	3,434	2,450	2,438	2,447
n/a	To Be Determined[b]	n/a	4,832	87,368	121,356	99,975	49,127	39,647
	Total		**26,231**	**308,224**	**244,588**	**131,921**	**81,426**	**71,405**

State	Receiving Site	Site Code	FY 2026-2030	FY 2031-2035	FY 2036-2040	FY 2041-2045	FY 2046-2050	FY 2051-2055
ID	Idaho National Engineering and Environmental Laboratory	INEEL	2,165	2,165	2,165	2,165	-	-
NM	Los Alamos National Laboratory	LANL	-	-	-	-	-	-
NV	Nevada Test Site	NVTS	27,031	27,031	27,031	27,031	27,031	27,031
SC	Savannah River Site	SARS	116	-	-	-	-	-
WA	Hanford Site	HASI	2,249	2,090	2,090	2,090	418	-
n/a	To Be Determined[b]	n/a	37,597	35,603	39,345	35,970	39,474	31,053
	Total		**69,158**	**66,889**	**70,630**	**67,255**	**66,923**	**58,084**

State	Receiving Site	Site Code	FY 2056-2060	FY 2061-2065	FY 2066-2070	Non-Annualized[c]	Site Total	% Total
ID	Idaho National Engineering and Environmental Laboratory	INEEL	-	-	-	-	23,799	1.7
NM	Los Alamos National Laboratory	LANL	-	-	-	47	81	<1
NV	Nevada Test Site	NVTS	27,031	27,031	27,050	-	663,150	46.3
SC	Savannah River Site	SARS	-	-	-	-	3,154	<1
WA	Hanford Site	HASI	-	-	-	-	32,361	2.3
n/a	To Be Determined[b]	n/a	29,433	29,436	29,454	-	709,668	47.8
	Total		**56,463**	**56,467**	**56,504**	**47**	**1,432,186**	**100**

Notes:
• Hyphens indicate volumes of zero.
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data.

[a] These annual data reflect the total volume projected by sites for FY 2000. All data reported for the post-2000 time periods reflect the total summary volume projected for the specific five-year time period.
[b] Includes undetermined DOE and commercial sites.
[c] Non-annualized refers to those volumes of LLW for which the DOE could not specify the year in which the receipt would occur.

Table 7-20
Total Projected Volume of LLW Receipts as Reported by Sites: FY 2000 - FY 2070[a]

Note: Due to its length, this table spans several pages. Data are shown one site at a time.

In cubic meters

RECEIVING SITE: Idaho National Environmental Engineering Laboratory (INEEL) (State: ID)

State	Shipping Site	Site Code	FY 2000[b]	FY 2001[b]	FY 2002[b]	FY 2003[b]	FY 2004[b]	FY 2005[b]	FY 2006[b]	FY 2007[b]	FY 2008[b]	FY 2009[b]	FY 2010[b]	FY 2011-2015	FY 2016-2020	FY 2021-2025	FY 2026-2030	FY 2031-2035	FY 2036-2040	FY 2041-2045	Site Total
ID	Argonne National Laboratory-West	ANLW	847	771	241	237	237	58	58	51	51	51	-	-	-	-	-	-	-	-	**2,604**
	Naval Reactor Facility	NAVY	713	684	684	684	674	437	433	433	433	433	433	2,165	2,165	2,165	2,165	2,165	2,165	2,165	**21,195**
INEEL Total			**1,560**	**1,455**	**925**	**921**	**911**	**495**	**491**	**484**	**484**	**484**	**433**	**2,165**	**2,165**	**2,165**	**2,165**	**2,165**	**2,165**	**2,165**	**23,799**
INEEL's contribution to DOE total:																					**1.7%**

RECEIVING SITE: Los Alamos National Laboratory (LANL) (State: NM)

State	Shipping Site	Site Code	FY 2000[b]	FY 2001[b]	FY 2002[b]	FY 2003[b]	FY 2004[b]	FY 2005[b]	FY 2006[b]	FY 2007[b]	FY 2008[b]	FY 2009[b]	FY 2010[b]	Non-Annualized[c]	Site Total
n/a	To Be Determined[d]	n/a	4	16	5	2	4	2	1	-	-	-	-	47	**81**
	Los Alamos National Laboratory Total		**4**	**16**	**5**	**2**	**4**	**2**	**1**	**0**	**0**	**0**	**0**	**47**	**81**
Los Alamos National Laboratory's contribution to DOE Total:															<1%

Notes:
• Hyphens indicate volumes of zero.
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data.

[a] There are no projected receipts by INEEL after FY 2045 or by LANL after FY 2006 (with the possible exception of the non-annualized volumes).
[b] These annual data reflect the total volume projected by sites for FY 2000 - FY 2010. All post-FY 2010 data reflect the total volume projected for the specified five-year time periods.
[c] Non-annualized refers to those volumes of LLW for which the DOE could not specify the year in which the receipt would occur.
[d] Includes undetermined DOE and commercial sites.

(continued…)

Table 7-20 (cont'd)
Total Projected Volume of LLW Receipts as Reported by Sites: FY 2000 - FY 2070

Note: Due to its length, this table spans several pages. Data are shown one site at a time.

In cubic meters

RECEIVING SITE: Nevada Test Site (State: NV)

State	Shipping Site	Site Code	FY 2000[a]	FY 2001[a]	FY 2002[a]	FY 2003[a]	FY 2004[a]	FY 2005[a]	FY 2006[a]	FY 2007[a]	FY 2008[a]	FY 2009[a]	FY 2010[a]
CA	Energy Technology Engineering Center	ETEC	52	50	50	50	40	31	-	-	-	-	-
	General Atomics	GEAT	-	-	-	-	-	-	-	-	-	-	-
	Lawrence Livermore National Laboratory - Main Site	LLMS	388	388	387	392	392	250	187	187	187	187	187
CO	Rocky Flats Environmental Technology Site	RFTS	5,582	4,289	19,989	34,726	26,100	28,600	37,426	-	-	-	-
MO	Kansas City Plant	KSCP	-	-	-	-	-	-	24	-	-	-	-
NM	Lovelace Respiratory Research Institute	LRRI	31	31	31	31	31	31	31	31	31	31	31
	Sandia National Laboratories-NM	SNLN	377	402	156	138	138	94	42	31	31	31	31
OH	Ashtabula Environmental Management Project	AEMP	35	130	130	100	-	29	-	-	-	-	-
	Fernald Environmental Management Project	FEMP	5,899	1,576	5,530	1,952	11,597	1,014	8,729	11,836	11,626	3,965	550
	Miamisburg Environmental Management Project (Mound)	MEMP	2,493	3,343	4,668	7,356	307	-	-	-	-	-	-
TN	Oak Ridge Reservation	ORTN	-	3,532	6,341	15,578	14,358	12,048	12,189	9,695	9,467	5,292	5,157
TX	Pantex Plant	PAPL	248	-	-	-	-	-	-	-	-	-	-
Nevada Test Site Total			**15,105**	**13,741**	**37,282**	**60,323**	**52,963**	**42,097**	**58,627**	**21,781**	**21,342**	**9,506**	**5,956**

Notes:
• Hyphens indicate volumes of zero.
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data.

[a] These annual data reflect the total volume projected by sites for FY 2000 - FY 2010.

(continued…)

Table 7-20 (cont'd)
Total Projected Volume of LLW Receipts as Reported by Sites: FY 2000 - FY 2070[a]

Note: Due to its length, this table spans several pages. Data are shown one site at a time.

In cubic meters

RECEIVING SITE: Nevada Test Site (cont'd) (State: NV)

State	Shipping Site	Site Code	FY 2011-2015	FY 2016-2020	FY 2021-2025	FY 2026-2030	FY 2031-2035	FY 2036-2040	FY 2041-2045	FY 2046-2050	FY 2051-2055	FY 2056-2060	FY 2061-2065	FY 2066-2070	Site Total
CA	Energy Technology Engineering Center	ETEC	-	-	-	-	-	-	-	-	-	-	-	-	**273**
	General Atomics	GEAT	-	-	-	-	-	-	-	-	-	-	-	-	**0**
	Lawrence Livermore National Laboratory - Main Site	LLMS	935	935	935	935	935	935	935	935	935	935	935	935	**14,352**
CO	Rocky Flats Environmental Technology Site	RFTS	-	-	-	-	-	-	-	-	-	-	-	-	**156,712**
MO	Kansas City Plant	KSCP	-	-	-	-	-	-	-	-	-	-	-	-	**24**
NM	Lovelace Respiratory Research Institute	LRRI	155	155	155	155	155	155	155	155	155	155	155	174	**2,220**
	Sandia National Laboratories-NM	SNLN	156	156	156	156	156	156	156	156	156	156	156	156	**3,342**
OH	Ashtabula Environmental Management Project	AEMP	-	-	-	-	-	-	-	-	-	-	-	-	**424**
	Fernald Environmental Management Project	FEMP	39	-	-	-	-	-	-	-	-	-	-	-	**64,313**
	Miamisburg Environmental Management Project (Mound)	MEMP	-	-	-	-	-	-	-	-	-	-	-	-	**18,167**
TN	Oak Ridge Reservation	ORTN	25,785	25,785	25,785	25,785	25,785	25,785	25,785	25,785	25,785	25,785	25,785	25,785	**403,076**
TX	Pantex Plant	PAPL	-	-	-	-	-	-	-	-	-	-	-	-	**248**
	Nevada Test Site Total		**27,070**	**27,031**	**27,031**	**27,031**	**27,031**	**27,031**	**27,031**	**27,031**	**27,031**	**27,031**	**27,031**	**27,050**	**663,150**
														Nevada Test Site's contribution to DOE total:	*46.3%*

RECEIVING SITE: Savannah River Site (State: SC)

State	Shipping Site	Site Code	FY 2000[b]	FY 2001[b]	FY 2002[b]	FY 2003[b]	FY 2004[b]	FY 2005[b]	FY 2006[b]	FY 2007[b]	FY 2008[b]	FY 2009[b]	FY 2010[b]	FY 2011-2015	FY 2016-2020	FY 2021-2025	FY 2026-2030	Site Total
ID	Naval Reactor Facility	NAVY	395	359	333	189	227	285	-	36	-	-	173	261	665	116	116	**3,154**
	Savannah River Site Total		**395**	**359**	**333**	**189**	**227**	**285**	**0**	**36**	**0**	**0**	**173**	**261**	**665**	**116**	**116**	**3,154**
																Savannah River Site's contribution to DOE total:		<1%

Notes:
• Hyphens indicate volumes of zero.
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data.

[a] There are no projected receipts to the Savannah River Site after FY 2030.
[b] These annual data reflect the total volume projected by sites for FY 2000 - FY 2010. All post-FY 2010 data reflect the total volume projected for the specified five-year time periods.

(continued…)

Table 7-20 (cont'd)
Total Projected Volume of LLW Receipts as Reported by Sites:
FY 2000 - FY 2070[a]

Note: Due to its length, this table spans several pages. Data are shown one site at a time.

In cubic meters

RECEIVING SITE: Hanford Site (State: WA)

State	Shipping Site	Site Code	FY 2000[b]	FY 2001[b]	FY 2002[b]	FY 2003[b]	FY 2004[b]	FY 2005[b]	FY 2006[b]	FY 2007[b]	FY 2008[b]	FY 2009[b]	FY 2010[b]
CA	Laboratory for Energy-Related Health Research	LEHR	4	7	-	-	-	-	-	-	-	-	-
	Energy Technology Engineering Center	ETEC	116	294	177	150	200	283	293	-	-	-	-
	General Atomics	GEAT	-	-	-	-	-	-	-	-	-	-	-
	Lawrence Berkeley National Laboratory	LANL	8	14	9	19	9	13	3	13	3	13	3
	Stanford Linear Accelerator Center	SLAC	17	17	17	17	17	17	17	17	17	17	17
IA	Ames Laboratory	AMES	5	5	5	2	2	2	2	2	2	2	2
IL	Argonne National Laboratory - East	ANLE	754	383	383	383	221	221	212	212	212	212	212
	Fermi National Accelerator Laboratory	FNAL	80	62	62	62	62	62	62	62	62	62	70
KY	Paducah Gaseous Diffusion Plant	PGDP	-	56	46	-	-	-	-	-	-	-	-
MA	Massachusetts Institute of Technology	MIT	-	-	-	-	-	-	-	-	-	-	5
NJ	Princeton Plasma Physics Laboratory	PPPL	94	51	56	833	30	30	30	30	30	30	30
NY	Brookhaven National Laboratory	BRNL	207	349	160	305	481	695	506	162	157	157	159
	Knolls Atomic Power Laboratory-Schenectady	KAPL	36	36	95	36	95	50	-	43	-	-	-
OH	Columbus Environmental Management Program- West Jefferson	CEMP	140	283	555	190	47	20	-	-	-	-	-
	Portsmouth Gaseous Diffusion Plant	PORT	-	-	-	-	-	-	292	-	-	-	-
PA	Bettis Atomic Power Laboratory	BAPL	64	93	184	219	117	29	-	-	-	-	-
n/a	To Be Determined	n/a	2,810	-	-	-	-	-	-	-	-	-	-
	Hanford Total		**4,335**	**1,650**	**1,749**	**2,217**	**1,281**	**1,423**	**1,417**	**542**	**483**	**494**	**498**

Notes:
• Hyphens indicate volumes of zero.
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data.

[a] There are no projected receipts to Hanford after FY 2050.

[b] These annual data reflect the total volume projected by sites for FY 2000 - FY 2010. All post-FY 2010 data reflect the total volume projected for the specified five-year time periods.

(continued…)

Table 7-20 (cont'd)
Total Projected Volume of LLW Receipts as Reported by Sites:
FY 2000 - FY 2070[a]

Note: Due to its length, this table spans several pages. Data are shown one site at a time.

In cubic meters

RECEIVING SITE: Hanford Site (cont'd) (State: WA)

State	Shipping Site	Site Code	FY 2011-2015	FY 2016-2020	FY 2021-2025	FY 2026-2030	FY 2031-2035	FY 2036-2040	FY 2041-2045	FY 2046-2050	Site Total
CA	Laboratory for Energy-Related Health Research	LEHR	-	-	-	-	-	-	-	-	**11**
	Energy Technology Engineering Center	ETEC	-	-	-	-	-	-	-	-	**1,512**
	General Atomics	GEAT	-	-	-	-	-	-	-	-	**0**
	Lawrence Berkeley National Laboratory	LANL	45	35	45	35	-	-	-	-	**268**
	Stanford Linear Accelerator Center	SLAC	84	84	84	84	84	84	84	17	**789**
IA	Ames Laboratory	AMES	12	12	12	12	12	12	12	2	**115**
IL	Argonne National Laboratory -East	ANLE	1,060	1,060	1,060	1,060	1,060	1,060	1,060	212	**11,036**
	Fermi National Accelerator Laboratory	FNAL	311	311	311	125	-	-	-	-	**1,770**
KY	Paducah Gaseous Diffusion Plant	PGDP	-	-	-	-	-	-	-	-	**102**
MA	Massachusetts Institute of Technology	MIT	1	1	1	1	1	1	1		**11**
NJ	Princeton Plasma Physics Laboratory	PPPL	150	150	150	150	150	150	150	30	**2,319**
NY	Brookhaven National Laboratory	BRNL	786	786	784	784	784	784	784	157	**8,991**
	Knolls Atomic Power Laboratory-Schenectady	KAPL	-	-	-	-	-	-	-	-	**392**
OH	Columbus Environmental Management Program- West Jefferson	CEMP	-	-	-	-	-	-	-	-	**1,235**
	Portsmouth Gaseous Diffusion Plant	PORT	-	-	-	-	-	-	-	-	**292**
PA	Bettis Atomic Power Laboratory	BAPL	1	-	-	-	-	-	-	-	**708**
n/a	To Be Determined[b]	n/a	-	-	-	-	-	-	-	-	**0**
	Hanford Total		**2,450**	**2,438**	**2,447**	**2,249**	**2,090**	**2,090**	**2,090**	**418**	**32,361**
										Hanford's contribution to DOE total:	2.3%

Notes:
• Hyphens indicate volumes of zero.
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data.
• All post-FY 2010 data reflect the total volume projected for the specified five-year time periods.

[a] There are no projected receipts to Hanford after FY 2050.
[b] Includes undetermined DOE and commercial sites.

(continued…)

Table 7-20 (cont'd)
Total Projected Volume of LLW Receipts as Reported by Sites: FY 2000 - FY 2070

Note: Due to its length, this table spans several pages. Data are shown one site at a time.

In cubic meters

RECEIVING SITE: To Be Determined[c] (State: n/a)

State	Shipping Site	Site Code	FY 2000[a]	FY 2001[a]	FY 2002[a]	FY 2003[a]	FY 2004[a]	FY 2005[a]	FY 2006[a]	FY 2007[a]	FY 2008[a]	FY 2009[a]	FY 2010[a]
CA	Laboratory for Energy-Related Health	LEHR	32	104	-	-	-	-	-	-	-	-	-
	Lawrence Berkeley National Laboratory	LANL	28	45	44	31	31	31	31	31	31	31	31
	Lawrence Livermore National Laboratory - Main Site	LLMS	28	26	26	18	2	2	2	2	2	2	2
CO	Rocky Flats Environmental Technology Site	RFTS	-	-	50	56	-	-	-	-	-	-	-
IA	Ames Laboratory	AMES	-	-	-	-	-	-	-	-	-	-	-
ID	Idaho National Engineering and Environmental Laboratory	INEEL	-	-	-	-	1,622	1,344	1,368	2,973	3,080	3,689	3,227
IL	Argonne National Laboratory - East	ANLE	6	4	4	4	4	4	4	4	4	4	4
KY	Paducah Gaseous Diffusion Plant	PGDP	-	226	268	370	990	150	-	-	-	2,071	2,393
NJ	Princeton Plasma Physics Laboratory	PPPL	-	-	-	-	-	-	-	-	-	-	-
NM	Los Alamos National Laboratory	LANL	3	6	1	1	1	1	14	-	-	-	-
NY	Brookhaven National Laboratory	BRNL	503	48	30	30	30	30	30	30	30	30	30
	West Valley Demonstration Project	WVDP	425	425	850	850	13,580	12,730	12,730	12,730	12,730	12,730	12,730
OH	Portsmouth Gaseous Diffusion Plant	PORT	1,150	2,439	2,998	2,998	2,995	3,526	1,489	-	-	-	-
SC	Savannah River Site	SARS	205	-	-	-	-	-	-	-	-	-	775
TN	Oak Ridge Reservation	ORTN	2,452	9,491	5,645	7,326	7,466	8,414	8,413	8,413	8,412	5,435	5,435
TX	Pantex Plant	PAPL	-	-	-	-	-	-	-	-	-	-	-
WA	Hanford Site	HASI	-	-	-	-	-	-	-	-	180	-	-
	Commercial and Other DOE Sites Total		**4,832**	**12,815**	**9,916**	**11,684**	**26,721**	**26,233**	**24,082**	**24,183**	**24,470**	**23,993**	**24,628**

Notes:
• Hyphens indicate volumes of zero.
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data.

[a] These annual data reflect the total volume projected by sites for FY 2000 - FY 2010.
[b] Non-annualized refers to those volumes of LLW for which the DOE could not specify the year in which the receipt would occur.
[c] Includes undetermined DOE and commercial sites.

(continued…)

Table 7-20 (cont'd)
Total Projected Volume of LLW Receipts as Reported by Sites:
FY 2000 - FY 2070

Note: Due to its length, this table spans several pages. Data are shown one site at a time.

In cubic meters

RECEIVING SITE: To Be Determined[a] (State: n/a)

State	Shipping Site	Site Code	FY 2011-2015	FY 2016-2020	FY 2021-2025	FY 2026-2030	FY 2031-2035	FY 2036-2040	FY 2041-2045	FY 2046-2050	FY 2051-2055	FY 2056-2060	FY 2061-2065	FY 2066-2070	Site Total
CA	Laboratory for Energy-Related Health	LEHR	-	-	-	-	-	-	-	-	-	-	-	-	**136**
	Lawrence Berkeley National Laboratory	LANL	157	157	157	157	157	157	157	157	157	157	157	178	**2,274**
	Lawrence Livermore National Laboratory - Main Site	LLMS	10	10	10	10	10	10	10	10	10	10	10	10	**232**
CO	Rocky Flats Environmental Technology Site	RFTS	-	-	-	-	-	-	-	-	-	-	-	-	**106**
IA	Ames Laboratory	AMES	-	-	-	-	-	-	-	20	20	20	20	20	**100**
ID	Idaho National Engineering and Environmental Laboratory	INEEL	15,499	17,859	8,382	8,202	8,087	11,832	8,457	10,038	1,621	-	-	-	**107,281**
IL	Argonne National Laboratory -East	ANLE	20	20	20	20	20	20	20	960	960	960	960	960	**4,986**
KY	Paducah Gaseous Diffusion Plant	PGDP	25	25	25	-	-	-	-	-	-	-	-	-	**6,543**
NJ	Princeton Plasma Physics Laboratory	PPPL	-	-	-	-	-	-	-	150	150	150	150	150	**751**
NM	Los Alamos National Laboratory	LANL	-	-	-	-	-	-	-	-	-	-	-	-	**27**
NY	Brookhaven National Laboratory	BRNL	150	150	150	150	150	150	150	960	960	960	960	960	**6,671**
	West Valley Demonstration Project	WVDP	53,211	-	-	-	-	-	-	-	-	-	-	-	**145,721**
OH	Portsmouth Gaseous Diffusion Plant	PORT	-	-	-	-	-	-	-	-	-	-	-	-	**17,595**
SC	Savannah River Site	SARS	3,727	3,727	3,728	1,882	-	-	-	-	-	-	-	-	**14,044**
TN	Oak Ridge Reservation	ORTN	27,176	27,179	27,176	27,176	27,179	27,176	27,176	27,179	27,176	27,176	27,179	27,176	**403,021**
TX	Pantex Plant	PAPL	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WA	Hanford Site	HASI	-	-	-	-	-	-	-	-	-	-	-	-	**180**
	Commercial and Other DOE Sites Total		**99,975**	**49,127**	**39,647**	**37,597**	**35,603**	**39,345**	**35,970**	**39,474**	**31,053**	**29,433**	**29,436**	**29,454**	**709,668**
														Commercial and Other DOE Sites contribution to DOE Total	47.8%

Notes:
• Hyphens indicate volumes of zero.
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data.
• All post-FY 2010 data reflect the total volume projected for the specified five-year time periods.

[a] Includes undetermined DOE and commercial sites.

(continued…)

Table 7-20 (cont'd)
Total Projected Volume of LLW Receipts as Reported by Sites:
FY 2000 - FY 2070

In cubic meters

Total All Receiving Sites

FY 2000[a]	FY 2001[a]	FY 2002[a]	FY 2003[a]	FY 2004[a]	FY 2005[a]	FY 2006[a]	FY 2007[a]	FY 2008[a]	FY 2009[a]	FY 2010[a]	FY 2011-2015
26,231	30,035	50,211	75,336	82,107	70,535	84,618	47,026	46,778	34,477	31,689	131,921

FY 2016-2020	FY 2021-2025	FY 2026-2030	FY 2031-2035	FY 2036-2040	FY 2041-2045	FY 2046-2050	FY 2051-2055	FY 2056-2060	FY 2061-2065	FY 2066-2070	Non-Annualized[b]	DOE Total
81,426	71,405	69,158	66,889	70,630	67,255	66,923	58,084	56,463	56,467	56,504	47	1,432,214

Notes:
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data

[a] These annual data reflect the total volume projected by sites for FY 2000 - FY 2010. All post-FY 2010 data reflect the total volume projected for the specified five-year time periods.

[b] Non-annualized refers to those volumes of LLW for which the DOE could not specify the year in which the receipt would occur.

Figure 7-15
Total Projected LLW Receipts Volume as Reported by Sites:
FY 2000 - FY 2010
(Includes all physical forms except waste water)

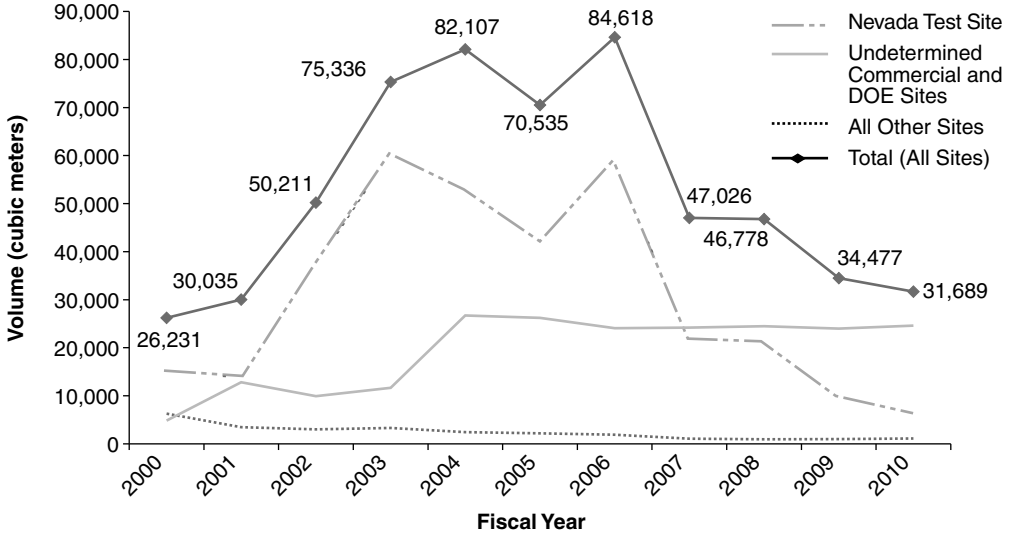
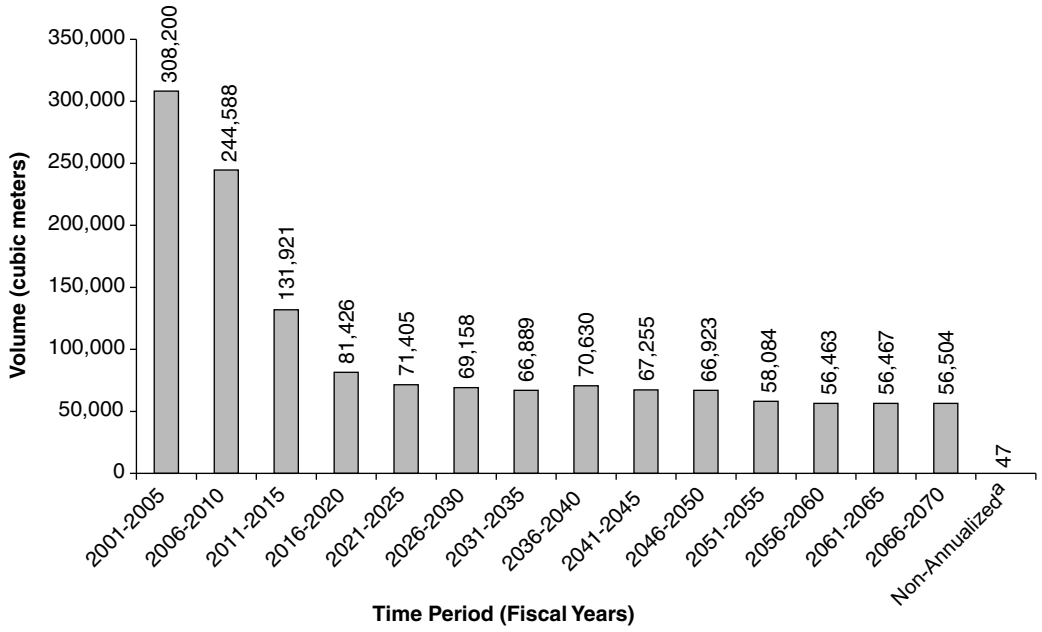


Figure 7-16
Total Projected LLW Receipts Volume as Reported by Sites:
FY 2001 - FY 2070
(Includes all physical forms except waste water)



Note:
[a] Non-annualized refers to those volumes of LLW for which the DOE could not specify the year in which the receipt would occur.

7.6 LLW Disposal as Reported by Sites

Disposal is defined as a management activity where the waste is emplaced in a manner that ensures protection of human health and the environment within prescribed limits for the foreseeable future.

This chapter provides the reported actual (FY 1998 and FY 1999) and projected (FY 2000 - FY 2070) LLW on-site disposal volumes for both DOE and commercial (non-DOE) disposal sites.

7.6.1 LLW Disposal Data by Site and State

Table 7-21 and Figure 7-17 provide data on LLW-radioactive waste and the combined LLW-radioactive waste and LLW-contaminated media disposal volumes for FY 1998 and FY 1999. In both fiscal years, contaminated media accounted for a significant percentage of the disposed-of LLW, particularly at sites such as the Fernald Environmental Management Project, Envirocare, and the Hanford Site. More detailed information on LLW-contaminated media is provided in Chapter 10, Tables 10-3 and 10-4. Additional information on the cumulative volume and radioactivity of previously-disposed LLW (radioactive waste and contaminated media) is provided in Section 7.8 (see also Highlight 1 in this chapter).

Figures 7-18 and 7-19 represent sites' relative contributions to the total volume of LLW-radioactive waste and LLW-contaminated media disposed of at the end of FY 1998 and FY 1999, respectively.

Table 7-21
Total LLW-Radioactive Waste (RW) and LLW-Contaminated Media (CM) Disposal Volume as Reported by Sites: FY 1998 and FY 1999 Actuals
(Includes all physical forms except waste water and ground/surface water)

In cubic meters

State	Site	Site Code	FY 1998 RW Volume	% 1998 Total	FY 1999 RW Volume	% 1999 Total	FY 1998 RW+CM Volume	% 1998 Total	FY 1999 RW+CM Volume	% 1999 Total
ID	Idaho National Engineering and Environmental Laboratory	INEEL	-	-	5,624	15.0	-	-	5,624	1.0
NM	Los Alamos National Laboratory	LANL	889	3.9	1,243	3.3	1,605	<1	1,960	<1
NV	Nevada Test Site	NVTS	10,073	44.7	16,103	43.0	10,073	2.4	16,239	2.9
OH	Fernald Environmental Management Project	FEMP	-	-	-	-	96,820	22.8	195,390	35.2
SC	Savannah River Site	SARS	1,632	7.3	3,211	8.6	1,632	<1	3,211	<1
TN	Oak Ridge Reservation	ORTN	1,138	5.1	85	<1	1,138	<1	85	<1
UT	Envirocare	ENVR	604	2.7	3,430	9.2	15,592	3.7	40,469	7.3
WA	Hanford Site	HASI	5,919	26.3	6,081	16.2	294,719	69.4	289,435	52.1
n/a	Unspecified[a]	n/a	2,258	10.0	1,684	4.49	2,974	<1	2,663	<1
Total			**22,514**	**100**	**37,461**	**100**	**424,555**	**100**	**555,076**	**100**

Notes:
• Hyphens indicate volumes of zero.
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data.
• Data in this table show on-site disposal volumes for both DOE and non-DOE sites.

[a] Includes unspecified DOE and commercial sites.

Figure 7-17
Comparison of LLW-Radioactive Waste and LLW-Contaminated Media Total Disposal Volume: FY 1998 and FY 1999 Actuals

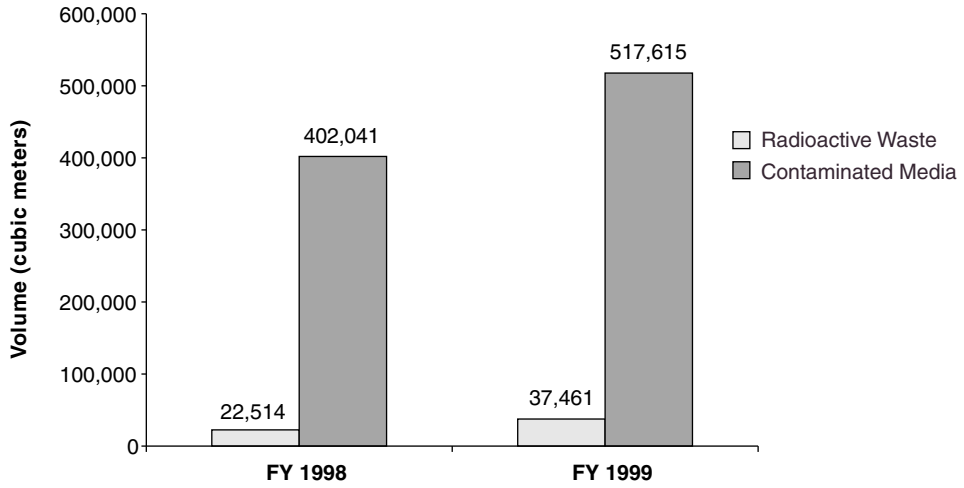
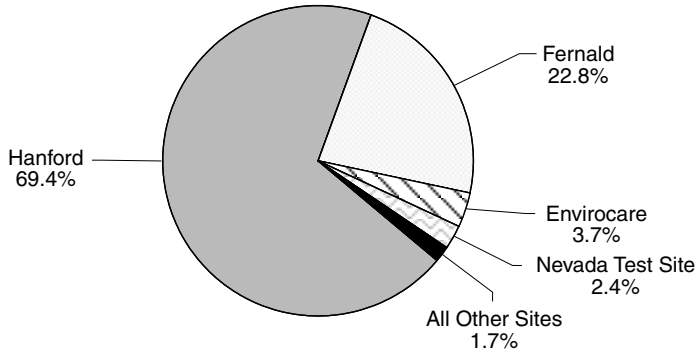
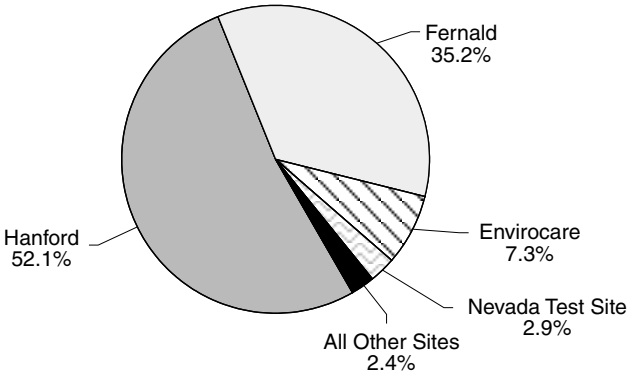


Figure 7-18
Sites' Relative Contributions to the Volume of LLW (Radioactive Waste and Contaminated Media) Disposal as Reported by Sites: FY 1998 Actuals
(Includes all physical forms except waste water and ground/surface water)



Notes:
• The total reported volume (excluding waste water and ground/surface water) of LLW (radioactive waste and contaminated media) disposed of in FY 1998 was approximately 424,555 cubic meters. See Table 7-21 for further details.
• Percentages may not add to exactly 100% due to rounding.

Figure 7-19
Sites' Relative Contributions to the Volume of LLW (Radioactive Waste and Contaminated Media) Disposal as Reported by Sites: FY 1999 Actuals
(Includes all physical forms except waste water and ground/surface water)



Notes:
• The total reported volume (excluding waste water and ground/surface water) of LLW (radioactive waste and contaminated media) disposed of in FY 1999 was approximately 555,076 cubic meters. See Table 7-21 for further details.
• Percentages may not add to exactly 100% due to rounding.

LLW Disposal Site Projection Data:

Table 7-22 provides the data on projected (FY 2000 - FY 2070) LLW disposal by site. Figure 7-20 shows LLW annual disposal volumes by site for FY 2000 through FY 2010, and Figure 7-21 presents the DOE-wide projection totals for five-year time periods through FY 2070. The total projected disposal volume of LLW-CM (contaminated media) is not included in any of the following tables or figures because these data are particularly subject to change. However, the total amount of LLW-CM currently expected to be disposed of in the future is approximately nine million cubic meters.[5]

[5] Of the nine million cubic meters of LLW-contaminated media, over 90 percent are expected to be disposed of at four sites: Hanford (~ five million), Fernald (~ two million), Oak Ridge Reservation (~one million), and Envirocare (~730,000).

Table 7-22
Total Projected LLW Disposal Volume as Reported by Sites:
FY 2000 - FY 2070
(Includes all physical forms except waste water)

In cubic meters

State	Site	Site Code	FY 2000[a]	FY 2001 - 2005	FY 2006 - 2010	FY 2011- 2015	FY 2016- 2020	FY 2021- 2025
ID	Idaho National Engineering and Environmental Laboratory	INEEL	4,401	13,397	2,283	-	183	8,422
NM	Los Alamos National Laboratory	LANL	1,244	6,219	6,215	6,214	6,214	6,214
NV	Nevada Test Site	NVTS	15,105	206,949	117,212	27,070	27,031	27,031
SC	Savannah River Site	SARS	7,066	23,981	30,723	184,493	165,451	53,410
TN	Oak Ridge Reservation	ORTN	-	1,800	920	-	-	-
UT	Envirocare	ENVR	2,758	24,000	10,344	7,192	4,871	4,871
WA	Hanford Site	HASI	6,936	25,770	42,596	87,012	83,158	75,099
n/a	To Be Determined[b]	n/a	534	8,142	10,697	13,261	15,818	10,168
	Total		**38,045**	**310,257**	**220,988**	**325,241**	**302,726**	**185,214**

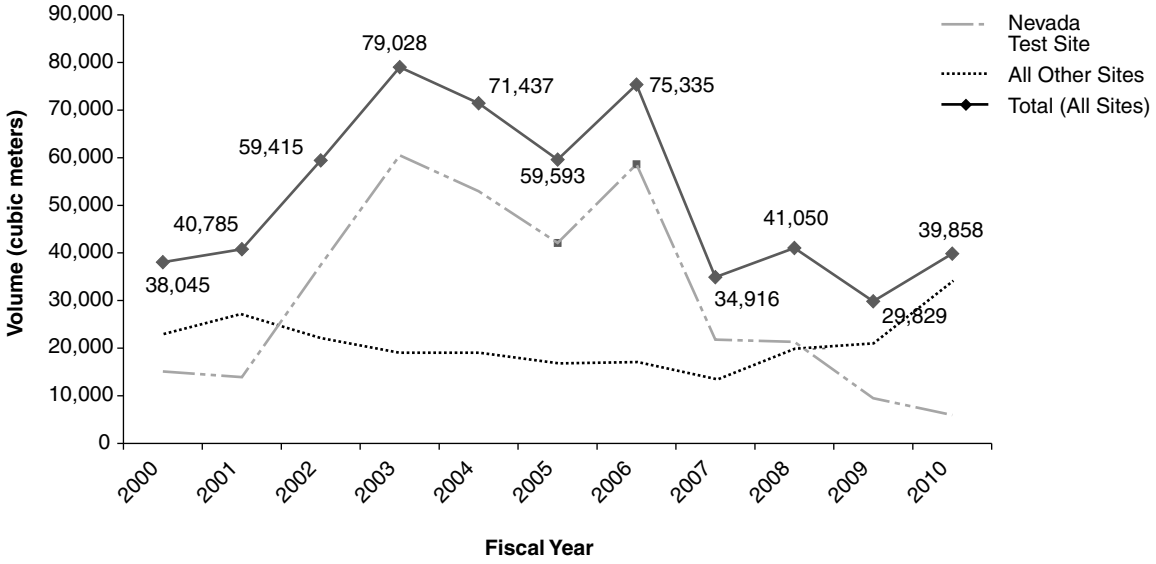
State	Site	Site Code	FY 2026- 2030	FY 2031- 2035	FY 2036- 2040	FY 2041- 2045	FY 2046- 2050	FY 2051- 2055
ID	Idaho National Engineering and Environmental Laboratory	INEEL	8,422	8,422	-	-	-	-
NM	Los Alamos National Laboratory	LANL	6,214	6,214	6,214	6,214	6,214	6,214
NV	Nevada Test Site	NVTS	27,031	27,031	27,031	27,031	27,031	27,031
SC	Savannah River Site	SARS	6,909	3,139	2,998	2,986	2,270	2,270
TN	Oak Ridge Reservation	ORTN	-	-	-	-	-	-
UT	Envirocare	ENVR	4,846	4,846	4,846	4,846	4,846	4,846
WA	Hanford Site	HASI	48,061	6,310	2,510	2,375	475	-
n/a	To Be Determined[b]	n/a	8,152	6,293	9,672	6,491	11,245	4,138
	Total		**109,634**	**62,254**	**53,271**	**49,942**	**52,080**	**44,498**

State	Site	Site Code	FY 2056- 2060	FY 2061- 2065	FY 2066- 2070	Non-Annualized[c]	Site Total	% Total
ID	Idaho National Engineering and Environmental Laboratory	INEEL	-	-	-	-	**45,531**	**2.4**
NM	Los Alamos National Laboratory	LANL	6,214	6,214	6,214	47	**88,293**	**4.7**
NV	Nevada Test Site	NVTS	27,031	27,031	27,050	-	**663,693**	**35.2**
SC	Savannah River Site	SARS	2,270	2,270	2,270	-	**492,508**	**26.2**
TN	Oak Ridge Reservation	ORTN	-	-	-	-	**2,720**	**0.1**
UT	Envirocare	ENVR	4,846	4,846	4,846	-	**97,644**	**5.2**
WA	Hanford Site	HASI	-	-	-	-	**380,300**	**20.2**
n/a	To Be Determined[b]	n/a	2,575	2,578	2,595	-	**112,357**	**6.0**
	Total		**42,935**	**42,939**	**42,974**	**47**	**1,883,045**	**100**

Notes:
• Data on LLW-contaminated media are not included in this table. The total (FY 2000 - FY 2070) projected disposal volume of LLW-contaminated media is approximately nine million cubic meters.
• Data in this table show on-site disposal volumes for both DOE and commercial sites.
• Hyphens indicate volumes of zero.
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data.

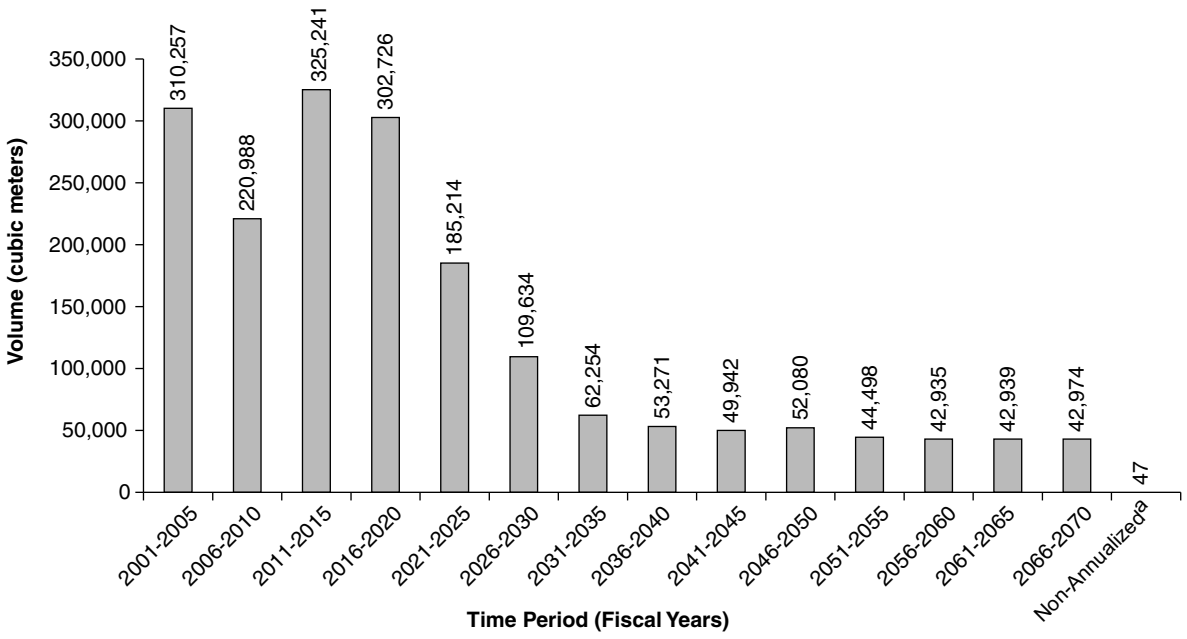
[a] These annual data reflect the total volume projected by sites for FY 2000. Post-FY 2000 data reflect the total summary volume projected for each five-year time period.
[b] Includes to be determined DOE and commercial sites.
[c] Non-annualized refers to those volumes of LLW for which DOE reporting sites could not specify the year in which the on-site disposal would occur.

Figure 7-20
Total Projected LLW Disposal Volume as Reported by Sites:
FY 2000 - FY 2010
(Includes all physical forms except waste water)



Note:
• Data on LLW-contaminated media are not included in this figure. The projected LLW-contaminated media disposal volume (excluding ground/surface water) from FY 2000 through FY 2010 is approximately 6.1 million cubic meters.

Figure 7-21
Total Projected Volume of LLW Disposal as Reported by Sites:
FY 2001 - FY 2070
(Includes all physical forms except waste water)



Notes:
• Data on LLW-contaminated media are not included in this figure. The projected LLW-contaminated media disposal volume (excluding ground/surface water) from FY 2001 through FY 2070 is approximately 8.5 million cubic meters.

[a] Non-annualized refers to those volumes of LLW for which DOE reporting sites could not specify the year in which the on-site disposal would occur.

7.7 LLW Waste Water Summary

This section provides information on LLW waste water volumes as reported by sites. All LLW volumes previously shown in this chapter have excluded the volume of waste water because, when all physical forms are viewed simultaneously, the dominance of waste water overshadows the importance of the other physical forms that comprise LLW. Excluding waste water allows more direct interpretation.

The physical forms that comprise LLW-radioactive waste range from amalgamated forms to waste water to unknown/other matrix. When all physical forms are considered simultaneously, the primary physical form of LLW is waste water. As shown in Table 7-23, the volumes of waste water dominate LLW-new generation and treatment, but contribute very little to LLW disposal and not at all to LLW in inventory or receipts. In FY 1998, waste water comprised approximately 67 percent of the LLW newly-generated. In FY 1999, waste water comprised approximately 96% of the total generation volume. Waste water accounted for nearly all of the radioactive waste treated in both years (92 percent in FY 1998 and 99 percent in FY 1999).

Table 7-23
Contribution of Waste Water to Total Volume of LLW-Radioactive Waste:
FY 1998 and FY 1999 Actuals

In cubic meters

Inventory	Physical Form	FY 1998	% 1998 Total	FY 1999	% 1999 Total
	Waste Water	-	-	-	-
	All Other Physical Forms (Excluding Waste Water)	110,262	100.0	120,846	100.0
	Total (All Physical Forms)	**110,262**	**100**	**120,846**	**100**

New Generation	Physical Form	FY 1998	% 1998 Total	FY 1999	% 1999 Total
	Waste Water	59,430	66.9	785,317	95.8
	All Other Physical Forms (Excluding Waste Water)	29,506	33.1	34,824	4.2
	Total (All Physical Forms)	**89,111**	**100**	**820,329**	**100**

Treatment	Physical Form	FY 1998	% 1998 Total	FY 1999	% 1999 Total
	Waste Water	59,606	92.0	785,505	99.0
	All Other Physical Forms (Excluding Waste Water)	5,191	8.0	7,724	1.0
	Total (All Physical Forms)	**64,620**	**100%**	**793,041**	**100**

Receipts	Physical Form	FY 1998	% 1998 Total	FY 1999	% 1999 Total
	Waste Water	-	-	-	-
	All Other Physical Forms (Excluding Waste Water)	15,093	100.0	25,765	100.0
	Total (All Physical Forms)	**15,093**	**100**	**25,765**	**100**

Disposal	Physical Form	FY 1998	% 1998 Total	FY 1999	% 1999 Total
	Waste Water	1	<1	-	-
	All Other Physical Forms (Excluding Waste Water)	22,514	100.0	37,461	100.0
	Total (All Physical Forms)	**22,515**	**100**	**37,461**	**100**

Notes:
• Hyphens indicate volumes of zero.
• Due to data rounding, the totals in this table may not equal the exact sum of the site-specific data.

7.8 LLW Radioactivity Data

The DOE has already disposed of over 98 percent of the LLW (both LLW-radioactive waste and LLW-contaminated media) it has historically managed, leaving less than two percent in the current inventory. This is not the case for high-level waste, transuranic waste[6], or spent nuclear fuel, which have not yet been permanently disposed of and are, with only a few exceptions, still in inventory. Therefore, in order to provide the most comprehensive "picture" of LLW radioactivity, this report provides data on the cumulative amounts of previously-disposed LLW (radioactive waste and contaminated media). These

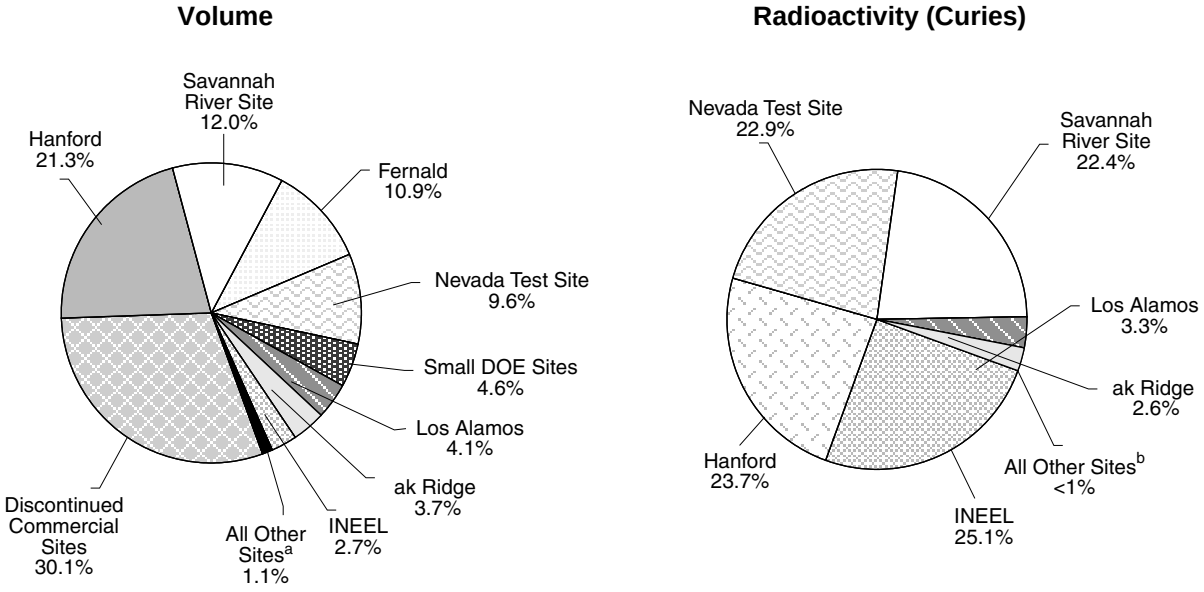
[6] This statement refers to transuranic (TRU) waste that has not been previously-disposed (i.e., "buried TRU") or the relatively small amount of TRU waste that has already been disposed of at the Waste Isolation Pilot Plant.

LLW volume and radioactivity (curie) data provide a sound *approximation* of the total LLW radioactivity that can be generally compared to the data on radioactivity of high-level waste and transuranic waste also provided in this report.

The LLW radioactivity data account for approximately 90 percent of the volume of previously-disposed LLW (because information on the radioactivity of LLW disposed of at commercial sites was not available in all instances).

Figure 7-22 and Table 7-24 provide data on the cumulative volume and radioactivity of LLW (radioactive waste and contaminated media) that was disposed of through FY 1999.

Figure 7-22
Sites' Relative Contributions to the
Volume and Radioactivity of Previously-Disposed LLW
(Radioactive Waste *and* Contaminated Media)



Notes:
• See Table 7-24 for more information about these data.
• Radioactivity data correspond to approximately 90 percent of the cumulative LLW volume.

[a] Includes Envirocare and unspecified DOE and commercial sites.
[b] Includes the Fernald Environmental Management Project, discontinued commercial sites, and small DOE sites.

Table 7-24
Total Cumulative Volume and Radioactivity of LLW
(Radioactive Waste *and* Contaminated Media) Disposed of Through FY 1999[a]

State	Site	Site Code	Volume Estimate (cubic meters)	% Total Volume	Total Radioactivity[b] (curies)	% Total Radioactivity
ID	Idaho National Engineering and Environmental Laboratory	INEEL	157,793	2.7	12,405,970	25.1
NM	Los Alamos National Laboratory	LANL	236,035	4.1	1,623,762	3.3
NV	Nevada Test Site[c]	NVTS	559,805	9.6	11,282,330	22.9
OH	Fernald Environmental Management Project	FEMP	635,410	10.9	4,414	<1
SC	Savannah River Site	SARS	698,421	12.0	11,063,395	22.4
TN	Oak Ridge Reservation	ORTN	212,016	3.7	1,263,325	2.6
UT	Envirocare	ENVR	56,061	<1	NA	NA
WA	Hanford Site[c]	HASI	1,235,105	21.3	11,708,739	23.7
n/a	Unspecified DOE and Commercial Sites[d]	n/a	5,638	<1	NA	NA
n/a	Small DOE Sites[e]	n/a	265,500	4.6	9,165	<1
n/a	Discontinued Commercial Sites[f]	n/a	1,745,000	30.1	5,136	<1
	Total		**5,806,784**	**100**	**49,366,238**	**100**

Caveats and notes:
• Some curie estimates include only selected radionuclides.
• Some previously-disposed of LLW may have been re-excavated and re-disposed in other facilities.
• Some previously-disposed of LLW may now be considered MLLW.
• Curie data account for approximately 90% of the volume shown in the table. In addition to the curie data marked "NA," curie data were not available for approximately 46% of the Fernald volume and 0.3% of the Savannah River Site volume.
• n/a = not applicable
• NA = not available
• Data include very small amounts of reported waste water and ground/surface water.
• Due to data rounding, the totals in this table may not equal the exact site-specific data.
• Weldon Spring is not included in this list as it is classified as a disposal site for 11e(2) byproduct material.

[a] Volume estimates are a cumulative sum of disposal volume beginning in the early 1960s (commercial sites) or the early 1970s (DOE sites) through FY 1999. See the Integrated Database Report—1996 (full reference below) for more information.

[b] LLW curie estimates are based on the radionuclides present in the wastes at the time of disposal. These estimates have not been adjusted to reflect changes in radioactivity resulting from the decay of the radionuclides since disposal. The DOE does not centrally compile information on the current and projected decayed radionuclides for these disposed-of LLW.

[c] Hanford and Nevada Test Site estimates include MLLW volumes.

[d] Includes unspecified DOE and commercial sites for FY 1998 and FY 1999 volumes.

[e] Includes the following sites no longer used for LLW disposal: Brookhaven National Laboratory, East Tennessee Technology Park, Lawrence Livermore National Laboratory, Paducah Gaseous Diffusion Plant, Pantex Plant, Portsmouth Gaseous Diffusion Plant, Sandia National Laboratories-NM, and Y-12. Reported curie estimates through 1993 for all sites except Brookhaven National Laboratory, East Tennessee Technology Park, and Y-12 (as separate from ORTN).

[f] Includes the following sites no longer used for LLW disposal: Barnwell, South Carolina; Beatty, Nevada; Maxey Flats, Kentucky; Richland, Washington; Sheffield, Illinois; and West Valley, New York (commercial waste site from 1963-1981).

Sources: U.S. Department of Energy, Office of Environmental Management, *Current and Planned LLW Disposal Capacity Report, Rev. 2 (December 2000)*; U.S. Department of Energy, *Integrated Data Base Report—1996: U.S. Spent Fuel and Radioactive Waste Inventories, Projections, and Characteristics*, DOE/RW-0006, Rev. 13 (December 1997); U.S. Department of Energy, *Integrated Data Base Report—1996: U.S. Spent Fuel and Radioactive Waste Inventories, Projections, and Characteristics,* DOE/RW-0006, Rev. 11 (December 1995), Backup Tables 3B and 3E.